

**In the Claims**

Please amend the claims as follows:

1-13 (canceled).

14. (new) A method of sealing a soil based construction by injecting an additive composition comprising a polymeric methacrylamide into space within the soil based construction wherein the additive in the composition opens a water casing around soil grains.

15. (new) The method of claim 15 wherein the composition comprises a mixture of soil and the additive wherein the mixture contains soil and up to 0.5 percent by volume of the soil of the additive and the mixture is injected into space within the soil based construction.

16. (new) The method of claim 15 wherein the mixture is injected into spaces between soil particles.

17. (new) The method of claim 15 wherein the mixture is injected into a cavity within the construction.

18. (new) The method of claim 15 wherein 0.01 to 0.1 percent by volume of additive is incorporated into the soil to form the mixture.

19. (new) The method of claim 15 wherein the soil comprises at least one of argillaceous material or course clay.

20. (new) The method of claim 15 wherein the soil contains at least 10 percent by weight of clay.

21. (new) The method of claim 15 wherein cement or lime containing from 1 to 10 percent by weight of the additive is included in the mixture.
22. (new) The method of claim 21 wherein from 15 to 25 kg of the cement or lime containing the additive is added per cubic meter of soil in the mixture.
23. (new) The method of claim 15 wherein from 20 to 50 percent by weight of water is added to the mixture in a quantity sufficient to enable the mixture to flow.
24. (new) The method of claim 15 comprising the steps of boring holes into the construction, stabilizing walls of holes, flushing soil from the holes and pressing the mixture into the holes.
25. (new) The method of claim 24 wherein the bore holes are supported with a tube having slots, soil is flushed out through the slots and the mixture is pressed into the construction through the slots.
26. (new) The method of claim 14 wherein the additive composition is injected into the construction using a rotating boring lance.